The only function one point)

The only function of y function of y)

The only function of y function one point one point of y = 2x + 5 (inv.) [each waite of x has one and it is converse value of y).

The only function that (xis function of x) the contion of y (when each waite ontal line intersect varies one and it is converse value of y).

The only function that (xis function of x) the condition

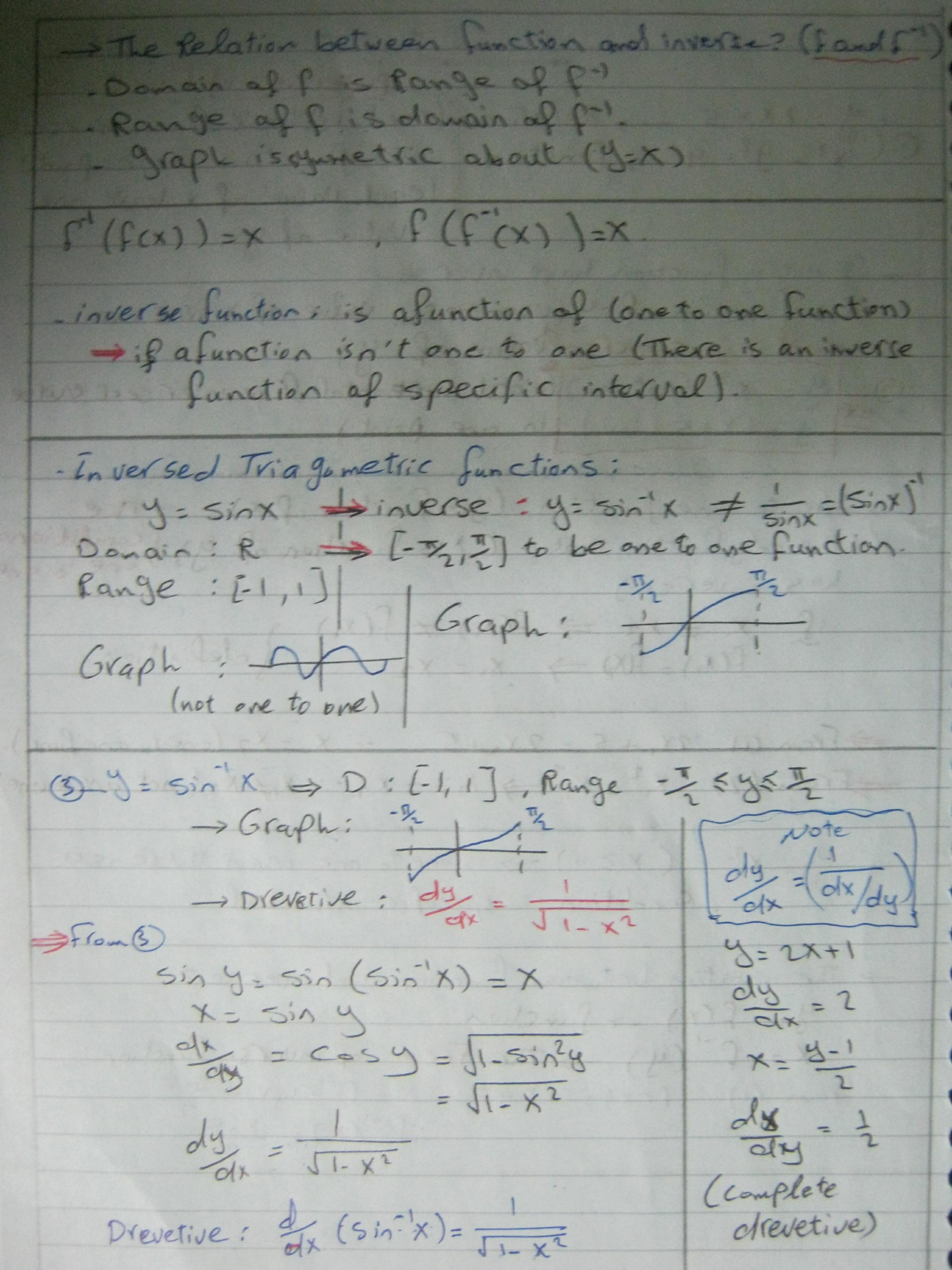
one to one function. (yis function of x) the (the only function that (xis function of y) function has inverse).

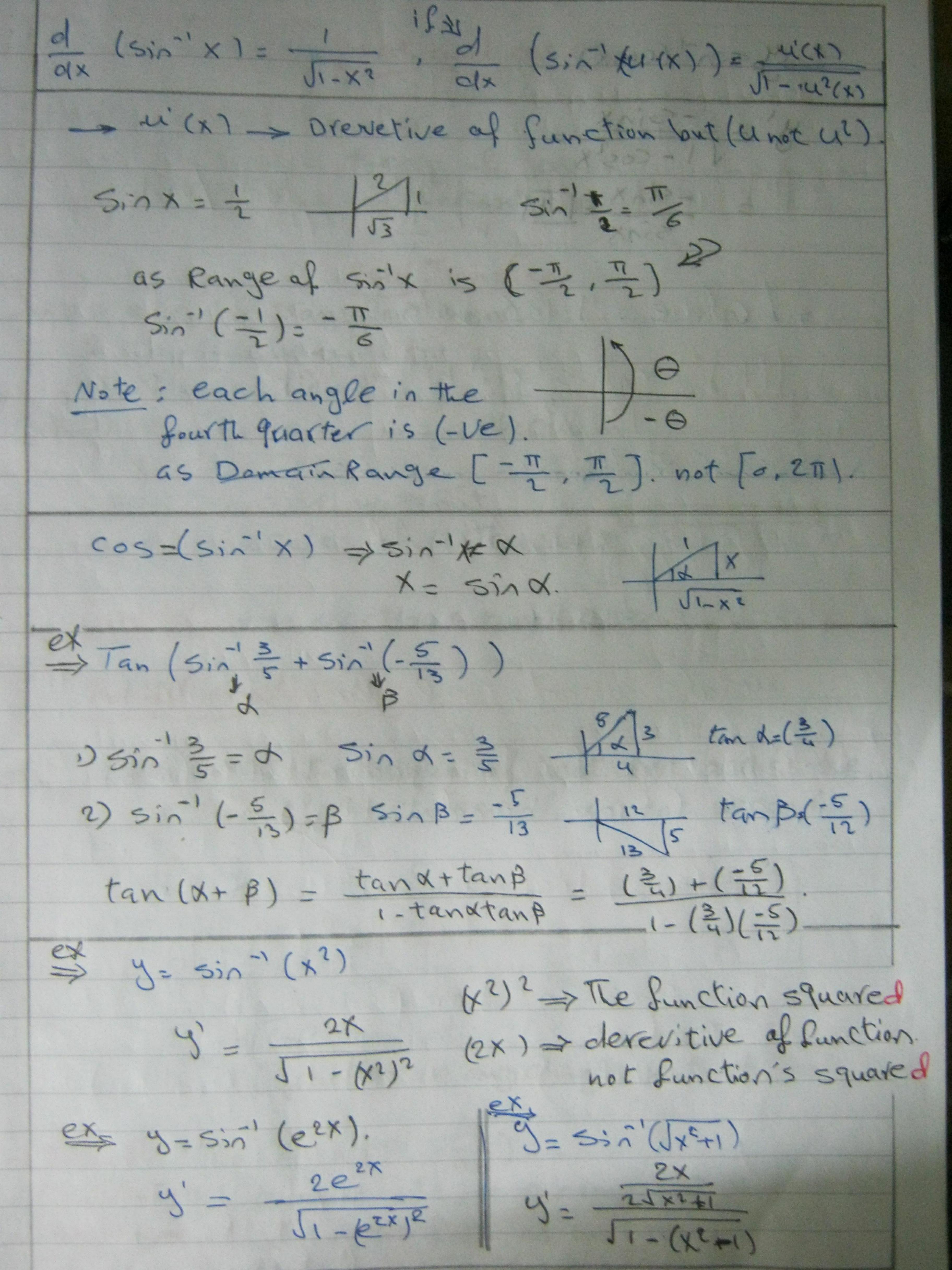
if $X_i \neq X_2 \Rightarrow f(X_i) \neq f(X_i)$ } definition. $f(X_i) = f(X_i) \Rightarrow X_i = X_2$

 $\Rightarrow From (1) 2X_1 + 5 = 2X_2 + 5 \Rightarrow X_1 = X_2 \text{ (one to one func.)}$ $\Rightarrow From (2) X_1^2 = X_2^2 \Rightarrow X_1 = \pm X_2 \Rightarrow X_1 = \pm X_2 \text{ (not one to one}$

y= x2 (x = 0) => is one to one when there is a condition in specific interval.

The relation between function and inverse? $y = f(x) \rightarrow function$ $x = f''(y) \rightarrow The Form of inverse function$ from (1) f(x) = 2x + 5 $x = f''(y) = \frac{y - 5}{2}$ $f''(x) = \frac{y - 5}{2}$





ex 3555 (cosx).

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